

FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.
LIST OF INFORMATION PROVIDED BY APPLICANT		94.0041	10/017,560
(Use several sheets if necessary)			
TITLE: METHOD AND APPARATUS FOR VISUALIZATION OF 3D GEOSCIENCE DATA USING LIT OPACITY VOLUMES WITH SHADING		APPLICANT Dmitriy G. Repin et al	
INVENTORS: DMITRIY G. REPIN & MARK S. PASSOLT		FILING DATE	
		12/14/2001	



REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	RECEIVED
kw	1	4,835,712	5-30-1989	Drebin	
kw	2	5,766,129	6-16-1998	Mochizuki	
kw	3	6,219,059	4/17/01	Argiro	FEB 22 2002
kw	4	6,130,671	10/10/00	Argiro	
kw	5	5,986,612	11/16/99	Argiro	Technology Center 2600

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGE, ETC.)

kw	6	DEREK R. NEY et al., "Volumetric Rendering of Computed Tomography Data: Principles and Techniques", IEEE Computer Graphics & Applications, March 1990, p. 19-27
kw	7	ROBERT A. DREBIN et al., "Volume Rendering", Computer Graphics, Vol. 22, No. 4, August 1988, p. 110 - 119
kw	8	GERALD D. KIDD, "Fundamentals of 3-D Seismic Volume Visualization", The Leading Edge, June 1999, p. 702 - 710
kw	9	TATUM M. SHEFFIELD et al., "Geovolume Visualization Interpretation: Color in 3-D Volumes", The Leading Edge, June 1999, p. 668 - 674.
kw	10	RÜDIGER WESTERMANN, et al., "Efficiently Using Graphics Hardware in Volume Rendering Applications", Computer Graphics Proceedings, Annual Conference Series, 1998, p. 169 - 177.
kw	11	MICHAEL MEIBNER et al., "Enabling Classification and Shading for 3D Texture Mapping based Volume Rendering using OpenGL and Extensions", Proceedings of the Conference on Visualization, 1999, p. 207 - 214.

EXAMINER	DATE CONSIDERED
Kimberly Nguyen	9-28-03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)				ATTY. DOCKET NO.	SERIAL NO.
LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)				94.0041	10/017,560
TITLE: METHOD AND APPARATUS FOR VISUALIZATION OF 3D GEOSCIENCE DATA USING LIT OPACITY VOLUMES WITH SHADING INVENTORS: DMITRIY G. REPIN & MARK S. PASSOLT				APPLICANT Dmitriy G. Repin et al	
				FILING DATE	12/14/2001
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
Examiner Initial		Document No.	Date	Patentee	
FOREIGN PATENT DOCUMENTS					
		Document No.	Date	Country	<u>Translation</u> Yes No
OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)					
<i>lw</i>	12	VICTORIA INTERRANTE et al., "Rendering", Department of Computer Science, The University of North Carolina at Chapel Hill, p. 41 – 65.			
<i>lw</i>	13	KARL HEINZ HOHNE et al., "Voxel-based Volume Visualization Techniques", Institute of Mathematics and Computer Science in Medicine, University Hospital, Eppendorf, University of Hamburg, p. 66 – 83.			
<i>lw</i>	14	KARL HEINZ and RALPH BERNSTEIN, "Shading 3D-Images from CT Using Gray-Level Gradients", Transactions on medical imaging, Vol MI-5, No. 1, March 1986			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

RECEIVED
 FEB 22 2002
 Technology Center 2600